

REMARKS**Status of the Application**

Claims 1-4, 7-10, 13-16, and 19 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicant's admitted prior art (hereinafter "AAPA") in view of U.S. Patent No. 5,969,343 to Nakamura et al. (hereinafter "Nakamura").

Claims 5, 11, and 17 are rejected under 35 U.S.C. § 103(a) as being unpatentable over AAPA in view of Nakamura in further view of U.S. Patent No. 5,966,221 to Tellam et al. (hereinafter "Tellam").

Claim 20 is rejected under 35 U.S.C. § 102(b) as being anticipated by Nakamura.

Claims 6, 12, and 18 are objected to as being allowable while depending from a rejected base claim. Office Action, page 6.

Amendments involving Allowable Subject Matter

Applicant has amended independent claims 1, 7, and 13 to include the limitations recited in allowable claims 6, 12, and 18. Accordingly, claims 1, 7, and 13 are allowable. Also, Applicant has cancelled claims 5, 6, 11, 12, 17, and 18.

Claims 2-4, 8-10, 14-16, and 19 respectively depend from base claims 1, 7, and 13 and, hence, inherit all limitations of their base claim. Accordingly, claims 2-4, 8-10, 14-16, and 19 are allowable.

Claim 20

Claim 20 is rejected under 35 U.S.C. § 102(b) as being anticipated by Nakamura.

It is well settled that to anticipate a claim, the reference must teach every element of the claim. *See* M.P.E.P. § 2131. Moreover, in order for a prior art reference to be anticipatory under 35 U.S.C. § 102 with respect to a claim, "[t]he elements must be arranged as required by the claim." *See* M.P.E.P. § 2131, citing *In re Bond*, 15 U.S.P.Q.2d 1566 (Fed. Cir. 1990). Furthermore, in order for a prior art reference to be anticipatory under 35 U.S.C.

§ 102 with respect to a claim, “[t]he identical invention must be shown in as complete detail as is contained in the . . . claim.” See M.P.E.P. § 2131, citing *Richardson v. Suzuki Motor Co.*, 9 U.S.P.Q.2d 1913 (Fed. Cir. 1989).

Applicant has amended claim 20. The amendment to claim 20 is supported by, inter alia, pages 9-10 of the application. No new matter has been entered.

Claim 20 recites a “bulb for providing light, said bulb comprising a central portion that emits light of lesser intensity than distal portions, wherein said bulb possesses a greater density of phosphorescent material at distal portions of said bulb than at said central portion.”

Nakamura discloses an illumination system that uses light emitting diodes (LEDs) as a light source. Nakamura does not disclose a bulb having the density of phosphorescent material disposed as recited in claim 20. The other applied reference (Tellam) merely discloses an ordinary phosphorescent bulb. See col. 17, lines 45-53 of Tellam. Applicant submits that Tellam does not teach or suggest a bulb having the different densities of phosphorescent material in the manner recited in claim 20.

Accordingly, claim 20 is submitted to be patentable over the applied references.

New Claims

Applicant has added new claims 21-24. New claims 21-24 are supported by, inter alia, pages 8-10 of the application. No new matter has been entered.

Claim 21 recites, in part:

an illumination system to illuminate a scan region, wherein the illumination system includes a bulb that emits light of greater intensity near its extremities than at its center, and wherein the illumination system comprises a bulb that possesses a greater density of phosphorescent material at distal portions of said bulb than at a central portion of said bulb; and

an optical reduction component to reduce image light for receipt by said optical detector.

For the reasons discussed above in regard to claim 20, Applicant submits that claim 21 is patentable over the applied references. Claims 22-24 depend from claim 21 and, hence, are also submitted to be patentable.

Conclusion

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

If any fee or fee amount is due that is not addressed in another paper in this submission, please charge Deposit Account No. 08-2025, under Order No. 10003834-1 from which the undersigned is authorized to draw.

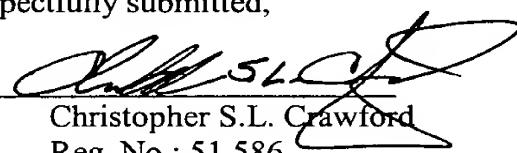
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Date of Deposit: June 14, 2004

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